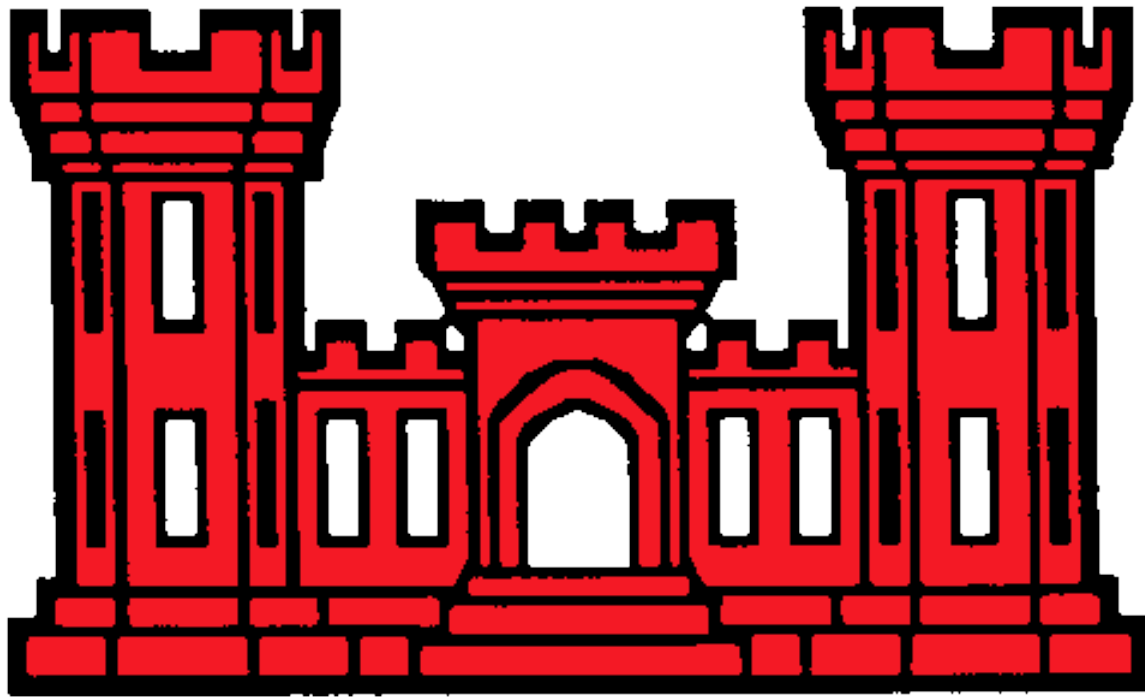


# **USAES ANCOC/BNCOC POI REVISION**



## **BNCOC LENGTH OLD**

**21B Technical Training (Tech)      7 weeks 3 days**  
**Academic Hours (302)**

<u>SUBJECT AREAS</u>	<u>HOURS</u>
MANDATORY TRAINING	2
DEMOLITIONS	45
RECONNAISSANCE	29
MINE WARFARE	54.5
COMBAT CONSTRUCTION	28.5
CRITICAL SKILLS	55
COMBINED ARMS/TACTICAL TRAINING	88
<b>TOTAL HOURS:</b>	<b>302</b>

## **BNCOC LENGTH NEW**

**21B Technical Training (Tech)      7 weeks 1 days**  
**Academic Hours (285.5)**

<u>SUBJECT AREAS</u>	<u>HOURS</u>
MILITARY HISTORY	2
DEMOLITIONS	40
RECONNAISSANCE	29
MINE WARFARE	45
COMBAT CONSTRUCTION	26.5
CRITICAL SKILLS	51
CIVILIAN AND MILITARY INFORMATION	
OPERATIONS	4
COMBINED ARMS/TACTICAL TRAINING	88
<b>TOTAL HOURS:</b>	<b>285.5</b>

# ANCOC

## OLD

21B/C Technical Training (Tech)  
Academic Hours: 341.5

<u>HOURS</u>	<u>SUBJECT AREA</u>
11	MANDATORY TRAINING
18	GENERAL ENGINEERING
14.5	COMBAT ENGINEERING
21.5	DETERMINE MLC
18	FIXED BRIDGING
12.5	FLOAT BRIDGING
19	COMPUTER ORIENTATION
	ABCS
91	TACTICS
40	MCS-L WORKSTATION
96	SITUATIONAL TRAINING EXERCISE

**COURSE LENGTH: 8 WEEKS 2 DAYS**

## NEW

21B/C Technical Training (Tech)  
Academic Hours: 303.5

<u>SUBJECT AREA</u>	<u>HOURS</u>
MANDATORY TRAINING	11
GENERAL ENGINEERING	11
COMBAT ENGINEERING	
DETERMINE MLC	19
FIXED BRIDGING	26
FLOAT BRIDGING	12.5
ABCS/NEW EQUIPMENT OVERVIEW	
TACTICS	45
SITUATIONAL TRAINING EXERCISE	108

**COURSE LENGTH: 7 WEEKS 2 DAYS**

# 21B30

TASK	TITLE	HRS	ADJ HRS	ADDITIONS/REMARKS
A-01	MILITARY HISTORY	2	2	
B-01	CALCULATE TIMBER CITTING	6	4	
B-02	CALCULATE STEEL CUTTING	7	5	
B-03	CALCULATE BREACHING CHARGES	6	4	
B-04	CALCULTE ROAD CRATERS	6	6	
B-05	DETERMINE METHOD OF BRIDGE ATTACK/ CALCULATE CONCRETE STRIPPING CHARGES/DETERMINE	10	10	
B-06	PREPARE DEMOLITION RECON	5	3	
B-7	URBAN BREACHING TECHNIQUES	3	3	Add lesson/urban breaching techniques 3 hrs.
B-08	DEMOLITION EXAMINATION/AFTER ACTION REVIEW	5	5	
C-01	PREPARE ROAD RECONNAISSANCE	4	4	
C-02	PREPARE A TUNNEL RECONNAISSANCE REPORT	3.5	3.5	
C-03	PREPARE A FORD RECONNAISSANCE REPORT	4	4	
C-04	PREPARE A BRIDGE RECONNAISSANCE REPORT	4	4	
C-05	PREPARE AN ENGINEER RECONNAISSANCE REPORT	4	4	
C-06	PREPARE A ROUTE RECONNAISSANCE OVERLAY	4.5	4.5	Add mounted and dismounted route recon change the PE with COE.
C-07	RECONNAISSANCE EXAMINATION/AFTER ACTION	5	5	
D-01	DIRECT A ROW MINEFIELD SIGHTING	4	0	delete/PLT level Task
D-02	DIRECT A ROW MINEFIELD LAYING	4	0	delete/PLT level Task
D-03	DIRECT A ROW MINEFIELD RECORDING PARTY	4	0	delete/PLT level Task
D-04	DIRECT A MINE-CLEARING LINE CHARGE (MICLIC) LOADING TEAM	4	12	Combine D-04/05 delete what is unit taught. Emphasis on supervisor role. PE will evaluate ability to do required checks.
D-05	SUPERVISE MICLIC OPERATIONS	7.5		

# 21B30

D-06	DIRECT A MINE SWEEPING TEAM	3	21	Combine route clearance IED/VBIED. Conduct mine/countermine operations with the Engineer School facility.
D-07	DIRECT MINEFIELD BREACHING OPERATIONS	6		
D-08	SUPERVISE INSTALLATION OF THE MODULAR PACK MINE SYSTEM (MOPMS)	6	0	delete
D-09	DIRECT EMPLACEMENT OF THE M-93 WIDE AREA MUNITIONS (HORNET)	4	0	delete
D-10	DIRECT THE INSTALLATION OF A VOLCANO MINEFIELD	8	8	Re-write and cover capabilities, employment and marking.
D-11	MINE WARFARE EXAMINATION/AFTER ACTION	4	4	
E-01	DIRECT CONSTRUCTION OF OBSTACLES	3	3	
E-02	DIRECT CONSTRUCTION OF SURVIVABILITY POSITIONS	4	4	Incorporate FOB construction Recommend restructure of E annex.
E-03	ESTIMATE REQUIREMENTS FOR VEHICULAR FIGHTING POSITIONS	3	2	
E-04	CHASSIS COMPONENTS, CAPABILITIES, AND OPERATION SAFETY OF M-9 ACE AND AVL B	1.5	1	Add new equipment used by Engineers or how to Employ and update with capabilities.
E-05	DIVISION ORGANIZATION	3	2	Recommend delete/change to / TF Org both light vs. heavy concept. Give squad leader both versions.
E-06	DIRECT ASSEMBLY OF A BAILEY BRIDGE	11.5	12	Add overview of the Mabey Johnson. Students will continue to just do sight layout.
E-07	COMBAT CONSTRUCTION EXAMINATION	2.5	2.5	
F-01	CALL FOR AND ADJUST INDIRECT FIRE	7	7	Great feedback from students. Update this lesson plan and training site and increase to eight hour instruction.
F-02	BATTLE FOCUS TRAINING PHASE II	4	4	
F-03	BATTLE COMMAND SYSTEMS	4	40	Hands on FBCB2 integration is slated to appear soon, that would add 40 hrs to our course.
G-01	HUMAN INTEL TRAINING/CIVIL AFFAIRS TRAINING		4	Currently working with MI BNCO Course Chief to de made contact with anyone at Ft Bragg to assist with Civil.
H-01	PRE-COMBAT CHECKS	8	8	Without Sapper Leader, recommend that the STX becomes a combination of convoy live fire/ MOUT (Urban Breaching Operations) create a lane to allow squad leaders the ability to control fires, react to all contacts, IED/VBIED sweeps and possible TCP emplacem
H-02	SITUATIONAL TRAINING EXERCISES	72	72	

# 21C30

	<b>PREPARE AREA ROUTE RECONNAISSANCE OVERLAY</b>	<b>4.5</b>		<b>Update PE add in IED recognition</b>
	<b>RECONNAISSANCE EXAMINATION/AFTER ACTION REVIEW</b>	<b>5</b>		
	<b>DIRECT ASSEMBLY OF A BAILEY BRIDGE</b>	<b>10</b>		
	<b>ORGANIZE DUTIES OF MEDIUM GIRDER BRIDGE ASSEMBLY CREWS</b>	<b>2.5</b>		
	<b>DIRECT SITE LAYOUT FOR MEDIUM GIRDER BRIDGE</b>	<b>5.5</b>		
	<b>DIRECT ASSEMBLY OF A MEDIUM GIRDER BRIDGE</b>	<b>15</b>		
	<b>SUPERVISE FIXED BRIDGE MAINTENANCE</b>	<b>5</b>		<b>Take two hours and do overview of Maybe Johnson</b>
	<b>FIXED BRIDGE EXAMINATION</b>	<b>2.5</b>		
	<b>SUPERVISE THE INSTALLATION OF AN OVERHEAD CABLE ANCHORAGE SYSTEM</b>	<b>5</b>		
	<b>DIRECT ASSEMBLY OF A RIBBON BRIDGE</b>	<b>6</b>		
	<b>DIRECT ASSEMBLY OF A RIBBON BRIDGE RAFT</b>	<b>5.5</b>		
	<b>DIRECT RAFTING OPERATIONS AS RAFT COMMANDER</b>	<b>5</b>		
	<b>FLOAT BRIDGING EXAMINATION</b>	<b>2.5</b>		
	<b>BATTLE FOCUS TRAINING PHASE II</b>	<b>4</b>		

# 21C30

	<b>SUPERVISE FIXED BRIDGE MAINTENANCE</b>	<b>5</b>		
	<b>FIXED BRIDGE EXAMINATION</b>	<b>2.5</b>		
	<b>SUPERVISE THE INSTALLATION OF AN OVERHEAD CABLE ANCHORAGE SYSTEM</b>	<b>5</b>		
	<b>DIRECT ASSEMBLY OF A RIBBON BRIDGE</b>	<b>6</b>		
	<b>DIRECT ASSEMBLY OF A RIBBON BRIDGE RAFT</b>	<b>5.5</b>		
	<b>DIRECT RAFTING OPERATIONS AS RAFT COMMANDER</b>	<b>5</b>		
	<b>FLOAT BRIDGING EXAMINATION</b>	<b>2.5</b>		
	<b>BATTLE FOCUS TRAINING PHASE II</b>	<b>4</b>		
	<b>MILITARY HISTORY</b>	<b>2</b>		
	<b>PRE-COMBAT CHECKS</b>	<b>8</b>		
	<b>SITUATIONAL TRAINING EXERCISES</b>	<b>72</b>		
	<b>RE-DEPLOYMENT/RE-FIT TO FIGHT</b>	<b>8</b>		
	<b>TOTAL HOURS</b>	<b>215.5</b>		

# 21H30

	SITUATIONAL TRAINING EXERCISE CO9	<b>86</b>		
	DEMO/TIMBER CUT (CET 01)	<b>6</b>		
	DEMO/STEEL CUT (CET 02)	<b>7</b>		
	DEMO/BREACHING (CET 03)	<b>6</b>		Update LP with urban breaching techniques
	DEMO/ROAD CRATERS (CET 04)	<b>6</b>		
	ROAD RECON REPORT (CET 05)	<b>4</b>		
	TUNNEL RECON REPORT (CET 06)	<b>3.5</b>		
	FORD RECON REPORT (CET 07)	<b>4</b>		
	BRIDGE RECON REPORT (CET 08)	<b>4</b>		
	ENGINEER RECON REPORT (CET 09)	<b>4</b>		
	ROUTE RECON OVERLAY (CET 10)	<b>4.5</b>		Update LP with new PE
	DIRECT MINEFIELD SWEEP (CET 11)	<b>3</b>		Update LP with IED/VBIED recognition
	DIRECT CONST OF OBSTACLES (CET 12)	<b>3</b>		Update LP with FOB construction
	MILITARY HISTORY (D01)	<b>2</b>		
	BATTLE FOCUS (D02)			
	Read Construction Prints and Drawings Examination	<b>3</b>		<b>ALL EXAMS HAVE TEST REVIEW INCLUDED</b>
	Prepare a Bill of Materials Examination	<b>2</b>		



# 21H30

	ENGINEER RECON REPORT (CET 09)	4		
	ROUTE RECON OVERLAY (CET 10)	4.5		
	DIRECT MINEFIELD SWEEP (CET 11)	3		
	DIRECT CONST OF OBSTACLES (CET 12)	3		
	MILITARY HISTORY (D01)	2		
	BATTLE FOCUS (D02)			
	Read Construction Prints and Drawings Examination	3		<b>ALL EXAMS HAVE TEST REVIEW INCLUDED</b>
	Prepare a Bill of Materials Examination	2		
	Schedule Work Examination	4		
	Utilize a Framing Square Examination	2.5		
	Supervise the Construction of Concrete Forms and Structures Examination	3.5		
	Calculate Materials for Masonry Structures Examination	3		
	Supervise the Construction of Wood Frame Structures Examination	6		
	Supervise the Installation of Building Utilities Examination	26.5		
	Demolition Examination	4		
	Recon Examination	5		
	Mine Warfare Examination	1.5		
	<b>TOTAL HOURS</b>	<b>315.5</b>		

# 21N30

	BASIC EQUIPMENT OPERATION	<b>48</b>		
	SITUATIONAL TRAINING EXERCISE	<b>86</b>		
	DEMO/TIMBER CUT (CET 01)	<b>6</b>		
	DEMO/STEEL CUT (CET 02)	<b>7</b>		
	DEMO/BREACHING (CET 03)	<b>6</b>		Update LP with urban breaching techniques
	DEMO/ROAD CRATERS (CET 04)	<b>6</b>		
	ROAD RECON REPORT (CET 05)	<b>4</b>		
	TUNNEL RECON REPORT (CET 06)	<b>3.5</b>		
	FORD RECON REPORT (CET 07)	<b>4</b>		
	BRIDGE RECON REPORT (CET 08)	<b>4</b>		
	ENGINEER RECON REPORT (CET 09)	<b>4</b>		
	ROUTE RECON OVERLAY (CET 10)	<b>4.5</b>		update with new PE
	DIRECT MINEFIELD SWEEP (CET 11)	<b>3</b>		Update with IED/VBIED recognition
	DIRECT CONSTRUCTION OF OBSTACLES	<b>3</b>		update LP with FOB construction
	DEMOLITION EXAMINATION	<b>4</b>		
	RECON EXAMINATION	<b>5</b>		
	MINE WARFARE EXAMINATION	<b>1.5</b>		
	INTERPRET GRADE STAKES EXAMINATION	<b>1.5</b>		
	INTERPRET CONSTRUCTION PRINT EXAMINATION	<b>1.5</b>		
	DET. CONST. SITE DRAINAGE EXAMINATION	<b>1.5</b>		
	CONST. EQUIP. PRODUCTION TECHN. EXAM	<b>1.5</b>		

# 21N30

	BASIC EQUIPMENT OPERATION	<b>48</b>		
	SITUATIONAL TRAINING EXERCISE	<b>86</b>		
	DEMO/TIMBER CUT (CET 01)	<b>6</b>		
	DEMO/STEEL CUT (CET 02)	<b>7</b>		
	DEMO/BREACHING (CET 03)	<b>6</b>		Update with urban breaching techniques
	DEMO/ROAD CRATERS (CET 04)	<b>6</b>		
	ROAD RECON REPORT (CET 05)	<b>4</b>		
	TUNNEL RECON REPORT (CET 06)	<b>3.5</b>		
	FORD RECON REPORT (CET 07)	<b>4</b>		
	BRIDGE RECON REPORT (CET 08)	<b>4</b>		
	ENGINEER RECON REPORT (CET 09)	<b>4</b>		
	ROUTE RECON OVERLAY (CET 10)	<b>4.5</b>		Update LP with new PE
	DIRECT MINEFIELD SWEEP (CET 11)	<b>3</b>		Update LP with IED/VBIED recognition
	DIRECT CONSTRUCTION OF OBSTACLES	<b>3</b>		Update LP with FOB construction
	DEMOLITION EXAMINATION	<b>4</b>		
	RECON EXAMINATION	<b>5</b>		
	MINE WARFARE EXAMINATION	<b>1.5</b>		
	INTERPRET GRADE STAKES EXAMINATION	<b>1.5</b>		
	INTERPRET CONSTRUCTION PRINT EXAMINATION	<b>1.5</b>		
	DET. CONST. SITE DRAINAGE EXAMINATION	<b>1.5</b>		
	CONST. EQUIP. PRODUCTION TECHN. EXAM	<b>1.5</b>		
	PRODUCTION ESIMATES	<b>4</b>		

# 21T30

TASK	TITLE	HRS	ADJ HRS	ADDITIONS/REMARKS
	ROAD RECON REPORT (CET 05)	4		
	TUNNEL RECON REPORT (CET 06)	3.5		
	FORD RECON REPORT (CET 07)	4		
	BRIDGE RECON REPORT (CET 08)	4		
	ENGINEER RECON REPORT (CET 09)	4		
	ROUTE RECON OVERLAY (CET 10)	4.5		Update LP with new PE
	DIRECT CONST OF OBSTACLES (CET 12)	3		Update LP with FOB construction
	Maintain Project Information	5		
	Perform Soils Technician Supervisory Duties	27		
	Prepare a Preliminary Construction Site Analysis	28		
	Perform Surveying Supervisory Duties	32		

# 21T30

TASK	TITLE	HRS	ADJ HRS	ADDITIONS/REMARKS
	ROAD RECON REPORT (CET 05)	4		
	TUNNEL RECON REPORT (CET 06)	3.5		
	FORD RECON REPORT (CET 07)	4		
	BRIDGE RECON REPORT (CET 08)	4		
	ENGINEER RECON REPORT (CET 09)	4		
	ROUTE RECON OVERLAY (CET 10)	4.5		
	DIRECT CONST OF OBSTACLES (CET 12)	3		
	Maintain Project Information	5		
	Perform Soils Technician Supervisory Duties	27		
	Prepare a Preliminary Construction Site Analysis	28		
	Perform Surveying Supervisory Duties	32		
	Prepare Horizontal Construction Plans	40		

# Proposed Phase II Recommendations (21

Task	Title	OLD	NEW	Changes
A-01	Military History	3	3	
A-01	Military History Staff Ride	8	0	Remove from curriculum
B-01	Advise Commander of Engineer Capabilities	6	4	Add Bradley and Stryker Vehicles. Remove hands on on the AVLB and ACE
B-02	Battle Focused Training	3	8	Update curriculum, add Training Management in a Platoon and place in Mandatory Training block A-02)
B-03	Passage of Lines	1	0	Remove from the curriculum
B-04	Employ Mine Delivery Systems	4	4	Update current curriculum
B-05	Install/Remove Row Minefields	1	0	Remove from curriculum
B-06	General Engineering Exam	3	3	Update the exam to reflect new material
C-01	Engineer Demolition Missions	2.5	4	Add Urban Breaching Techniques
C-02	Determine log Reg for Non-explosive Obstacles	2	4	Add Barriers and Checkpoints
C-03	Determine Log Requirements for Bunkers	4	5	Add new systems currently in use
C-04	Supervise Engineer Support to Engagement Area	3	3	Engineer Support to FOB and Basecamp Development
C-05	Combat Engineering Exam	3	3	Update exam with new material
D-01	Determine the MLC of a Bridge	18.5	16	Reduce Hours
D-07	MLC Exam	3	3	
E-01	Determine Bailey Bridge Requirements	5	5	
E-02	MGB Design	9	9	
E-03	Supervise construction of Fixed Bridges	0	8	Add 8 Hours for Bridge site Design and Overview
E-03	Inspect Bridge Maintenance	1	1	Rename E-04
E-04	Fixed Bridging Exam	3	3	Rename E-05
F-01	Determine Ribbon Bridge Requirements	3.5	3.5	
F-02	Plan Ribbon Raft Construction	2	2	
F-03	Det Float Bridge Anchorage System Req	4	4	
F-04	Float Bridge Exam	3	3	

# Proposed Phase II Recommendations (21

Task	Title	OLD	NEW	Changes
G-01	Computer Orientation	13	4	Rename as New Systems Overview (G-02)
G-02	Battle Command Systems	6	48	Implement 40 hours of MCS-L Workstation and 8 hours of Geo-spatial products (G-01)
H-01	Military Terms and Symbols	2	2	Update current curriculum
H-02	Threat Doctrine	2	2	Rename COE briefing and address current enemy and threat capabilities
H-03	Division Organization	2	2	Combine H03 and H04 and talk about Unit of Actions/Employments
H-04	Task Force Organization	1	1	Combine H03 and H04 and talk about Unit of Actions/Employments
H-05	Determine Engineer Capabilities	2	0	Remove from curriculum
H-06	Tactical Planning at Battalion	2	0	Remove from curriculum
H-07	Obtain Combat Service Support	1	1	Update block of instruction
H-08	Task Force Engineer Duties	2	0	Remove from curriculum
H-09	Conduct Engineer Tactical Planning	2	0	Remove from curriculum
H-10	Introduction to Simulations	2	2	
H-11	Plan Clearing Operations	2	4	Adjust to include IEDs and VBIEDs
H-12	Plan River Crossing Operations	3	3	
H-13	Engineer Support to Defense	4	0	Remove from curriculum
H-14	Determine Tactical Obstacle Requirements	4	0	Remove from curriculum
H-15	Conduct Defensive PE	8	0	Remove from curriculum
H-16	Conduct Defensive TEWT	6	0	Remove from curriculum
H-17	Conduct Defensive J ANUS (VINETS)	2	0	Remove from curriculum
H-18	Provide Engineer support to Offensive Opns	5	5	Rename to Engineer Support to Operations and add MOUT and Cave clearing operations
H-19	Offensive Operations PE	8	0	Remove from curriculum
H-20	Conduct Offensive TEWT	8	0	Remove from curriculum
H-21	Offensive Operations J ANUS	20	20	Conduct J ANUS in Urban Environment
H-22	Tactics Exam	3	3	Update exam with new material
I-01	Pre-Execution Checks/Equip Draw	8	8	
I-02	Situational Training Exercise	72	84	Add 12 hours
I-03	STX Redeployment/Refit to Fight	16	16	
	<b>TOTAL HOURS</b>	<b>341.5</b>	<b>303.5</b>	

# Proposed Phase II Recommendations (2

Task	Title	OLD	NEW	Changes
CET-01	Supervise Engineer Demolition Missions	5	5	Add Urban Breaching Techniques
CET-02	Determine Log Requirements for Bunkers	4	4	Add new systems currently in use
CET-03	Conduct Platoon Reconnaissance	4	0	Remove from course
CET-04	Common Engineer Exam	3	3	Modify to reflect new material
CET-05	Determine the MLC of a Bridge	14.5	16	Add Hours to teach Masonry Arch
CET-06	MLC Exam	3	3	
C-01	Manage a Construction Project	28		Scheduled for Distance Learning 1st Qtr FY 05
C-01	Manage a Construction Project Exam	4		Scheduled for Distance Learning 1st Qtr FY 05
C-02	Design a Utilities J ob Plan	14.3		Scheduled for Distance Learning 1st Qtr FY 05
C-02	Design a Utilities J ob Plan Exam	3		Scheduled for Distance Learning 1st Qtr FY 05
C-03	Design a Timber Trestle Bridge	13	0	Remove from Curriculum
C-03	Design a Timber Trestle Bridge Exam	4	0	Remove from Curriculum
D-01	Engineer Branch History	3	3	Needs to be more Engineer Specific
D-02	Battle Focused Training	6	8	Update class and add Training Management
I-01	Pre-Execution Checks/Equip Draw	8	8	
I-02	Situational Training Exercise	72	72	
I-03	STX Redeployment/Refit to Fight	6	6	
	<b>TOTAL HOURS</b>	194.8	128	



# Proposed Phase II Recommendations (2

Title	OLD	NEW	Changes
Supervise Engineer Demolition Missions	5	5	Add Urban Breaching Techniques
Determine Log Requirements for Bunkers	4	4	Add new systems currently in use
Conduct Platoon Reconnaissance	4	0	Remove from curriculum
Common Engineer Exam	3	3	Modify to reflect new material
Determine the MLC of a Bridge	14.5	16	Add Hours to teach Masonry Arch
MLC Exam	3	3	
Construction Equipment Production Estimates	13	13	
Determine Surface Treatment Production Estimates	8	8	
Determine Surface Treatment Production Estimates Exam	2.5	2.5	
Manage a Horizontal Construction Project	24	24	
Resource Constrain a Project	21	21	
Manage a Horizontal Construction Project Exam	5.5	5.5	
Engineer Branch History	3	3	
Battle Focused Training	6	8	Update and add Training Management
Pre-Execution Checks/Equip Draw	2	2	
Situational Training Exercise	70	70	
STX Redeployment/Refit to Fight	14	14	
<b>TOTAL HOURS</b>	202.5	202	

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# Questions